Weekly Bureau of Information for All Who Till the Soil or Are Interested in Making Homes

# GENERAL INFORMATION THROUGH QUESTION BOX

In reply to J. L. B., Pittsylvania County: 'Ordinarily no treatment is needed after the crop has been started, as long as the alfalfa shows a good stand and there is no tendency to run to weeds. If the weeds begin to prove troublesome, it is advisable to give the ground a thorough harrowing, af-ter cutting, with the teeth of the harrow set at a considerable angle kills the weeds and is decidedly beneficial to the alfalfa, because of the loosening of the soil, and the harrov does not injure the roots of the crop There has been considerable objection to disking the alfalfa field with the ordinary disc-harrow, because it is ordinary disc-harrow, because it is claimed that the plants are injured by splitting up the crowns.

The Age of Eggs.

J. M. B., of Chesterfield County, wants to know if there is any method for testing the age of eggs. J. W. Kinghorne, State agent in poultry investigation, answers for the agricultural department as follows: To test the age of eggs, place four ounces of common salt in a pint glass and fill with water. When the salt has dissolved drop an egg into the glass. If the egg is only one day old, it will immediately sink to the bottom. If older, it will not reach the bottom of If three days old it sinks only just below the surface. If four days and upwards, it floats, and the older it is the more it protrudes from

### Egg-Enting Fowls.

S. S. J., of Albemarle County, is troubled with hens eating eggs, and would like to know how this fault could be overcome. Mr. Kinghorne again comes to the

rescue and answers this question as

The habit of egg-cating sometimes becomes a serious vice, fowls becom-ing very fond of eggs when they are allowed to eat them, and it often spreads from one fowl to another. It sually begins through eggs being ac pen. See that the nests are properly supplied with nesting material, and have been darkened, so that if an egg is accidentally broken, the fowls will not be likely to discover it. Supply the fowls with plenty of lime in the form of oyster shells, bone and similar substances to insure a firm shell.

As soon as it is discovered that a vl has formed the habit, it should removed in order to prevent the spread of the vice, as once formed it is difficult to eradicate, and the safest remedy is the death penalty."

### Tomato Bacterial Wilt.

B. M. J., Henrico County, writes: "My tomatoes that have been well cultivated, all trellised and are now just laden with fruit, some almost ripe, are wilting and dying of some disease. First the tip wilts, then a branch or section, then the whole plant withers and dies. I am sending specimens of sections of some of the plants most recently affected. Also some of the roots. It locks as if all are going to take the disease and dic. What

I am informed by J. C. Hunter, demonstration agent, that this is the bacterial wilt, caused by an organism which lives in the soil, penetrates the tiny rootlets of the plants, and from there grows into the water-carrying vessels of the stem and plugs them up, thus preventing the rise of water. The organism may also enter the plant by way of the leaves, through wounds made by leaf-eating insects which carry the bacteria on their mouth parts from

diseased to healthy, plants,

There is no remedy for plants once affected by this disease. The bacteria probably lives in the soil for a numbought, however, merely for applying the bottom of years, so that soil ones in fected should, be planted with other crops than tomatoes for several years. Diseased plants should be destroyed by burning. If the plants are attacked by insects they should be sprayed with arsenate of lead, or, if the plants are affected by a leaf disease it is well to spray them with Bordeaux mixture, to spray them with Bordeaux mixture use five pounds of lime, five pounds should be gasted.

The spray them with not because the should be sometimed and the mixture applied to the viscon that a depth of three or four inches, limits and makes a short, open gallitude as they can be drawn with one being five and the cart. But once deviced in the picture land because this at a depth of three or four inches, it turns and makes a short, open gallitude as they can be drawn with one being five and the poison, fifty gallon tanks are more available as the poison, fifty gallon tanks are more available as the poison, fifty gallon tanks are more available as the poison, fifty gallon the poison, fifty gallon the poison, fifty gallon the poison, fifty gallon to the poison is the poison is the problem. The open gallon the surface. Then from the surface the surface the surface the surface the surface. Then from the surface the surface. Then from the surface the s spray them with Bordeaux max, spray them with Bordeaux mixture use five pounds of lime, five pounds copper sulphate or bluestone, to fitty gallons of water. If arsenate of lead is gaed with this, two pounds should be acted.

The acting principle of the Bordeaux Mixture, is copper sulphate which prevents the development or growth of the blight fungus or the parasitic plant which lives on the potato vine. The lime is added to the potato vine. The lime is added to the potato vine. The lime is added to the potato vine.

OUT BY THE WAYSIDE

The egg and poultry supply of this country is only 15 per cent of what it could be because of mites, roup, gaues and other diseases, and you know the egg and poultry industry to-day is over \$5.99.195.222.

Doubt vine. The lime is added to the copper sulphate solution for the purpose of preventing the foliage.

The lime has no fungicidal value, but it increases the efficiency of the mixture by causing it to stick to the foliage.

Although very often the Bordeaux

You may cultivate and prune your fruit trees: you may smudge and thin son of greatest destruction from blight in exactly the manner prescribed by the experts, but all your labor has tween August 15 and September 20.

Protect eggs from the sun when taking them to market. Eggs exposed to hot sunshine for one hour will spoil: this applies to infertile as well as fer-

The farmer's wife knows how to make a delictous petpie of an old roos ter. Use all you can of them.

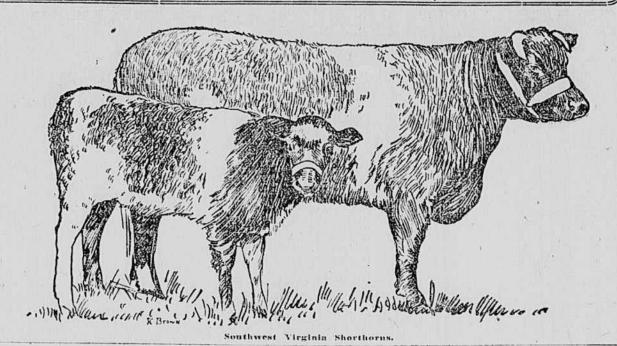
The profit in sheep is not within 15 per cent of what it could be if care were exercised in time to prevent footrot, scab, etc.

A woman who can successfully raise a fern need not have any worry about managing a husband.

Cheapest Cattle Foods.

Beef can be produced in Nebraska at a lower cost and with greater profit

Facts for Farmers, Stock Breeders, Poultry Raisers, Orchardists, Truckers and Gardeners---Queries and Answers



eral machines adapted to potato spraying now on the market.

The best machines have tank or air chambers with safety valves for reg ulating the pressure by which the mix-

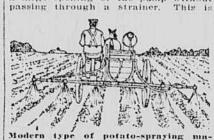
The power of the pump should be sufficient to force the mixture through at least twelve single nozzles and maintained at a constant pressure.

Facilities for regulating pressure should always be demanded by the buyer, as he may wish to use the machine early in the season for Paris

green at low pressure and later for Bordeaux under high pressure.

Too great emphasis cannot be laid upon the precaution of carefully spraying with spray mixture. All machines should be provided with facilities for spraying induling facilities for spraying, including guaze strainer over the large opening

placed when desired, should be fast-ened over all suction pipes leading to the pump. In machines where the pump is mounted outside the tank a gauze strainer should be placed over the pipe, feeding the pump. The mixture should never feed to a large opening of the pump without



has check valves, as Paris green and appear to be of much importance, other grit will lodge under the seat soils that are shallow by reason the water table or fock format of the valves, consequently releasing the water table or

the pressure.
When potatoes are grown on a large scale it is a waste of time to spray their best land and may need to take Hordeaux Mixture with a tank of less some special maters of building up The bacteria if for a number of the following seed on the following seed ones in the following seed on the following seed to take greating read adult moth. The following seed to take greating read adult mothers are greating read adult mothers and the following seed to take greating read adult mothers are gread adult mothers and greating read adult mothers are greating re

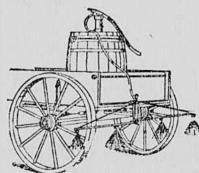
A correspondent says: "Rats destroyed enough grain and poultry on this place this season to pay our taxes for three years." Well, there are ways to get rid of rats season of the beetles upon late pota-

It must be noted also that the sea been for nothing if you fall down on the packing.

In an experiment covering three years, the Missouri Agricultural College has found that fall-planted fruit trees produce 23 per cent more growth than spring-planted trees.

It ween August 15 and September 26.

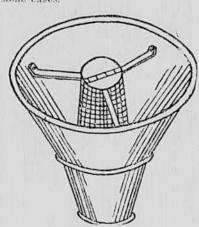
Therefore, it is necessary to guard against the claims of some men that special dust machines, which are adaptable to applying poisons may also be used in combination with dust sprays for the blight. However, the same machine sometimes can be used for both purposes.



Spraying outfit for small areas.

To successfully control the beetles, introduction of weed seeds

TO KILL BLIGHT AND BEETLE the mixture may be needed to cover BAD WORM WITH MANY NAMES rapid development of spraying orchardists and gardeners has a demand for specialized and possibly two acres in specialized one-half and possibly two acres in speciali



The chief difficulty in spraying for the potato beetle seems to be that most growers postpone applying the poison until the beetles have obtained a good start upon the vines. The best time to kill them is lameliately, or is the most important.

of the worms in the course of a summer, but for the purpose of extermination, the last one before winter comes, is the most important.

### SOME ALFALFA HELPS

The two principal causes of failure in growing alfalfa have been poor preparation of the seed bed and the provement, however, is noticeable in the cultural methods practiced by farmers at the present time, and in practically all cases where new seedings are being made, some means are drained soils, the use of nurse crops, and in case of late seedings, winter



atfalfa plants.

Alfalfa should not be seeded after a grars sod, but may follow a culti-vated or small grain crop. The prep-aration of the seed bed should be thorough and extend over a period of several weeks, so as to secure a firm and finely pulverized seed bed

have been as completely eradicated as possible.

The presence of nitrogen fixing bacteria is of utmost importance in the growing of alfalfa. Both the soil and pure culture methods of inoculation have given good results and one or both should always be used whenever alfalfa is being seeded for the first time in a field.

Therefore, when in the hands of the novice who "scatters pearly drops" upon the flower's stalks and gives the roots none.

Remember that when water is scarce that the spade or hoe can do wonders when in the hands of the novice who "scatters pearly drops" upon the flower's stalks and gives the roots none.

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Remember that when water is scarce that the spade or hoe can do wonders when it is the spa

The use of a nurse crop is not advisable except on fields that are apt to blow or wash and on seed beds that are poorly prepared and are apt to become weedy.

The use of manure in seeding alfalfa is advisable if applied some time.

The use of manure in seeding alfalfa is advisable if applied some time before seeding or after the alfalfa has come up and made some little growth. It is not advisable to tarp under a heavy application in a quickly prepared seed bed as this tends to hold up the soil and allow it to dry out, or to apply as a top-dressing shortly before seeding, because of the introduction of weed seeds

Death to Poultry in Sait.

dust mulch with a sharp hoe.

Mulches of all kinds are beneficial—fallen leaves, weeds pulled from the garden, lawn clippings, refuse from the barrayard.

Potted plants should be thoroughly watered so that the heart of the roots plants, however, can exist without watering, but if you give them plenty.

The lawn should never be "sprinkled," but if possible let the hose run on it for hours after sunset. Un-

Beef can be produced in Nebraska at a lower cost and with greater profit on a combination of the corn plant and alfalfa hay than on any other combination of foods available in the poison must be applied immediately or soon after the eggs hatch. For this reason, when potatoes are combination of foods available in the poison must be applied immediately or soon after the eggs hatch. For this reason, when potatoes are combination of foods available in the same manher to the house of sugar. She thought there was no danger in throwing this out the poultry, but it caused the death of every bird she possessed.

Watermelons in Hawaii. It is does not mean a slight portion of sait, such as may occur in bread of sugar. This does not mean a slight portion for sait, such as may occur in bread of sugar. This does not mean a slight portion of sait, such as may occur in bread of sugar. This does not mean a slight portion of sait, such as may occur in bread of sugar. This does not mean a slight portion of sait, such as may occur in bread of sugar. The lawn should never be "sprintled to hoose run on it for hours after sunset. Unrable to gray mit the sunset of sugar. She thought there was no danger in throwing this out to the poultry, but it caused the death of every bird she possessed.

This does not mean a slight portion of sait, such as may occur in bread of sugar. This does not mean a slight portion of sait, such as may occur in bread of sugar. This does not mean a slight portion of sait, such as may occur in bread of sugar. This does not mean a slight portion of sait into a cake that the said by mistake put sait into a cake that by mistake put sait into a cake the sugar have do not water on the water do not water the lawn. Durable to the poultry, but it cansed the death of every bird she possessed.

Watermelons in Hawaii.

Watermelons in Hawaii.

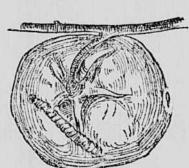
The hawn should never be "sprintled of a woman who itself of a woman wh Early in the season 100 gallons of growths and other dreaded diseases. as 76 cents apiece.

or inch and a half long, and often striped. The colors and markings cary, but always it is naked and somewhat greasy looking, like some of the

When infesting corn it eats its way along within the husk, devouring the young and tender kernels and som of the silk, and filling the cavity with xerement.
On cotton the worms become trou-

blesome after corn has become so ma-ture that the kernels are no longer "in the milk". A hole is bored into the oll, and the worm feeds more or less Green tomatoes are attacked in much the same fashlor within.

the buds, flower-stalks and seed-pods of tobacco



the spring.

Send a plow through the field in send a plow through the field in Send a plow through the field in late fall and the carefully made exit gulleries are destroyed. The pupn is buried beneath solid earth, which later is compacted by winter or spring rains. When the season arrives for the moths to come out, they are effectually imprisoned and never reach the surface to lay error and varet the the surface to lay eggs and start the

life cycle once more.

It does not follow that it is always fensible or possible to fall plow a field that has suffered from the rayages of that has succed from the ravages of this pest, whether the attack has cen-tred on corn, cotten, tobacco, or to-matoes. Weather conditions or the demands of crop rotations may make it out of the question. But if it can be done, there is much to be gained by it

Drought and Moisture.

When water gets scarce throw away your watering pot, or rather firm and finely pulverized seed bed in which the weeds and weed seeds it is a menace to the life of the flow-have been as completely eradicated as ers when in the hands of the novice

# STATÉ REPUBLICANS

Convention of North Carolina Fáithful Is Called to Meet in Capital

on August 12.

Many Agricultural Gatherings Will Be Held This Month, Including Boys' Corn Clubs and Demonstration Agents-Crowds Expected.

[Special to The, Times-Dispatch.] as chairman of the State executive committee and Gilliam Grissom as secretary. The plans for the convention are not yet made public. The last State convention here was preceded by a big banquet tendered the party leaders by State Chairman Morehead, but it is not expected that there will be any there is nothing much for the State convention to do, with only one State convention to do, with only one State officer, a corporation commissioner, to oppose Chairman E. L. Travis, to be nominated and the nominations of Superior Court in the state of the convenient of the state of the stat erior Court judges in the judicial dis-

is inductive to the party leaders is the adoption of such a State platform and direction of the campaign in close communities as to win a few close counties in the State Legislature.

tomate fruit worm, all applied to this one troublemaker, according to the place where it is found at work. It is a rather dark worm as The period from August 17 to 27 will be marked by agricultural gatherings of unusual interests in Raielgh for the farming interests throughout the State. First of all there will be the special meeting of the county agricultural agents from all the counties maintaining this important division of work, together with two or more representatives of the Boys' Corn Clubs from each county for the special consideration of ways and means of furthering the development of agriculture. On August 25 there will be the State Farmers' Convention at the Agricultural and Mechanical College for three days, considering the whole scope of farming-interests. There will be especially low rates for both these events, and the county agents and corn club boys are expected to remain over in Railegh for the State convention. The college dorning-interests and the county agents and corn club boys are expected to remain over in Railegh for the State convention. The college dorning-interest and the dining-room will be been notified from Manchester, Va., that her brother, J. J. Lumley, was been notified from Manchester, Va., that her brother, J. J. Lumley, was been notified from Manchester, Va., that her brother, J. J. Lumley, was been notified from Manchester, Va., that her brother, J. J. Lumley, was working as a lineman. He was fifty years old, a native of Raileigh, his constant Deganters.

Association Deganter.

New York, August C. which is monory markets and last week, the money markets and last week, the money markets and the farming all and least week, the money markets and the farming and less work of all there will be the special disk, international excelling, harding last week of the He modern manch for the disagrate and fabric and insuring against its read fabrication of the consideration of the desaster made possible by its collapse. The peril of the colling for the loss of the modern market made fabrication of the modern makes for the boys' Corn Clubs from each country of the country of Rappahanock, has recently put the desaster ma

emains will be taken to Durham for

nterment.
At 5 o'clock this afternoon there was held from the First Presbyterian Church the funeral of the late R. L. Rand, who died in Richmond on Friday. The remains arrived here last evening and were conveyed to the home of the parents of the decedent, Captain and Mrs. W. H. Rand. The pallbears were James A. Briggs, Sr., E. B. Crow, W. E. Dewar, Gilbert Crabtree, D. P. Poindexter and J. P. Wray.

Many Building Permits.

That construction of new buildings

Many Building Permits.

That construction of new buildings is anything but at a standstill is shown by the fact that during the month of there were issued by the city building inspector permits for new buildings, the cost of which aggregates \$75,000. This, in addition to considerpleted its growth it descends to the able sums for repairing other buildings. later as an plimentary vacation to its employes, e special meters of building up delt moth. As it works its way down has also declared a 4 per cent semi-fertility of the soil. Farmers in better agricultural sections should hole behind it with earth. But once dividend having been declared last

# PETERSBURG PETERSBURG COUNCIL

MEETS FRIDAY NIGHT al Important Matters, Outside Routine Business, Will Be Up for Consideration,

[Special to The Times-Dispatch.] Petersburg, Va., August 2.—The August meeting of the Council will be

held Tuesday night, and outside of the regular routine docket several post-poned matters of interest will be considered in the line of public improve-ments. The Council has before it a proposition to appropriate \$7,500 to the Southside Fair Association for the holding of its fair next October.

A Sunday Assoult.

Anderson Yates and Mary Valentine,

colored, residents of Gladstone Street, formerly known as "Tin Pot Alley," got into a dispute this morning, the result of which was that the man was felled by a blow on the head with an axe, inflicted by the woman. Both parties are under arrest and in jail.

Personal and Otherwise.

Mrs. George H. Spooner and daughter left yesterday for Culpoper to spend the month of August
Misses Elsie Miles and Lella Carlisle have gone to Scotland Neck, N. C., to visit relatives.

Mr. and Mrs John Moyler and children have gone to Mountain Lake, Va.,

for the month of August. Several other Petersburg families are at the lake. The real estate market is quiet, with few transactions of importance, but building operations are very active.

Miss Lillian Roper, of Baltimore, who spent several weeks with relatives in this city, left yesterday for her home.

WILMINGTON WILL HAVE ELECTION FOR FRANCHISE

[Special to The Times-Dispatch.]
Wilmington, N. C., August 2.—Wilmington next October is to have its first election involving a franchise for a street railway. The election comes under the commission plan of government, and is mandatory where a franchise is sought. The Council has a right to grant the franchise, conditional on approval of the people at the ballot box. If the franchise is granted it will mean that Wilmington will have two traction lines. The newcomer in the field is the Wilmington and Carolina Beach Railway Company, which desires to construct a trolley line into the southern section of the county and develop Carolina Beach. In order to make connection and also to provide a source of revenue the line seeks city rights, which will place a competing trolley line in the field. Several Virginians are interested in the new project, Charles Hall Davis, of Petersburg, Va., being one of the general counsel for the enterprise.

# KILKIS GETS ORDERS TO SAIL IMMEDIATELY

Former U. S. Battleship Mississippi
Will Steam To-Day for the
Mediterraneau.

[Special to The Times-Dispatch.]
Newport News, Va., August 2.—
Though officers of the vessel decline
to discuss the matter, it is known that
the Greek battleship Klikis, formerly
the United States battleship Mississippi, has received orders from Greece
to steam to-morrow for the Mediterraneau. The vessel is scheduled to
leave to-morrow afternoon at 4 o'clock,
and orders for the loading of all supthe Greek battleship Kilkis, formerly the United States battleship Mississippi, has received orders from Greece to steam to-morrow for the Mediterranean. The vessel is scheduled to leave to-morrow afternoon at 4 o'clock, and orders for the loading of all supplies and stores have been rushed to the contractors, who were low bidders. It had been planned for the Kilkis to put to sea to-day on a two days' trial run off the Virginia Capes, but in view of the orders to steam to-morrow, the trial was curtailed to a run to the Capes and return. After the vessel that the trial was perfectly satisfactory in every particular. Engineers Erieson and Nicholson, of this city, VERY LITTLE BUSINESS TO DO [Special to The Times-Dispatch.]
Raleigh, N. C., August 2.—The Raleigh Chamber of Commerce and other interests here are much gratified at landing the State Republican Convention, which is announced for Raleigh August 12, assembling in the City Auditorium at noon, with J. M. Morehead as chalrman of the State executive of the Atlantic.

Association Organizes. Lynchburg, Va., August 2 .- The .Co Operative Building and Loan Association, which was promoted by the local Chamber of Commerce, has been or-ganized with the following officers: president, D. H. Penick; vice-president, P. B. Winfree; secretary-treasurer, B. B. Adams; board of directors—Paul C. Edmunds, Ernest Williams, E. P. Miller W. J. D. Bell, H. M. Scakett, G. E. Vaughan, D. H. Penick, P. B. Winfree, Allen Cucullu, D. B. Ryland, C. M. Guggenhelmer and J. W. Hancock.

PICNIC AND BARBECUE ATTENDED BY HUNDREDS [Special to The Times-Dispatch.] were about 760 people present from all parts of the county. A platform and arbor had been erected for the public speaking. Ex-Congressman Rob-

[Special to The Times-Dispatch.] Lynchburg, Va., August 2.—Reports from the farming sections contiguous to Lynchburg show that the corn and tobacco crops are making rapid strides and that good yields are in anticipation and that good yields are in anticipation, despite the long drought in April, May and June. The crops are late, but corn will mature before cool weather. A late fall will mean from three-fourths to a full crop of tobacco. Early freezing weather, however, will cut the yield greatly. In many sections the indications are for the largest yield

of corn for years.

# CULPEPER BOY SCOUTS ARE LEAVING FOR CAM

They Will Rough It for Ten Days Rappahannock River—Organiza-tion Has Eighteen Members.

[Special to The Times-Dispatch.] Culpeper, Va., August 2 .- The Cu peper Camp of Boy Scouts and Sco Master Henry Walton will leave t

terest.

Miss Lutie Green and Major C. Yacey, both of this county, were marr in Washington on Tuesday, the ce mony being performed by the R Howard F. Downs. in the Greek navy, are to be chief engineers of the Kilkis on the trip across the Atlantic.

WILMINGTON CITIZEN
IMPRESSED BY GERMANY

[Special to The Times-Dispatch.]
Wilmington, N. C., August 2.—Returning to the Fatherland to spend several months, after making his home in Wilmington for the past twenty-five years news comes that Paul Caase, a well-known German citizen, has been impressed into the military service of the country of his nativity, and will have to serve three years. It appears that Caase left Germany without having served in the army, as required by that country, so upon his return, at though a quarter of a century had clapsed, he was arrested and will now have to serve in the army, in spite of the fact that he is a naturalized American citizen. Caase is a man of considerable property, but is not married.

Weekly Financial Review.

New York, August 2.—While European diplomats discussed and generals acted.

Credits, international exchanges and commerce were disorganized. The very perfection of the modern machinery of credits, by building higher and fabric and insuring against its reduction, had enhanged the disaster made possible by its collapse. The peril of the coll-

of Gholsonville. The couple left a wedding tour to Washington other cities, and on their return reside at Mr. Mitchell's new home,

# Manufacturers Exhibit

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papers in your home, where they are subject to loss by theft use of our safe deposit boxes and vaults. Rental reasonable.

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# Virginia Fire & Marine Insurance Co.

AND SOLICIT YOUR PATRONAGE Assets - - - - - \$1,730,370,00

SANATATA SANATA SANA

TO THE HOLDERS OF

# International & Great Northern Railway Co. 5% Notes due August 1, 1914:

The Undersigned, acting in the interests of the holders of a majority in amount of the Notes, have agreed on a basis for the extension thereof for 21/2 years at 6%, full information in regard to which is embodied in a circular, copies of which may be obtained at the office of Central Trust Company of New York, No. 54 Wall

FRANKLIN Q. BROWN,

Street, New York City.

A. J. HEMPHILL,

President, Guaranty Trust Company of New York.

ent, The Equitable Trust Company of New York, FREDERICK STRAUSS, Of J. & W. Sellgman & Company.

BENJAMIN STRONG, JR., President, Bankers' Trust Company

S. H. VOORHEES, Agent, The Royal Bank of Canada,

R. LANCASTER WILLIAMS,